

Applicant: Joel THOMSON  
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Amendments to the Specification

Please amend the Title of the application on page 1 to read as follows:

"Devices ~~And Methods~~ For Maximizing Purge Effectiveness Of Molding Machines".

Please amend the sole full paragraph on page 10, that is lines 14-31, to read as follows:

"When material is caused to flow backward along the screw flights ~~14~~ 32, some material can leak back up the feed port or feed throat of the hopper and cool there, causing a solid blockage. However, if the amount of material (both cleaning compound and residual melt material) in the barrel 16 is restricted during purging to less than the amount required to totally fill the screw flights 32, or a small amount of material (approximately 1/10 the shot volume) is allowed to exit the machine nozzle with each stroke, a forward flow of material is maintained through the feed port into the barrel 16 preventing a solid blockage. If the molding machine has a shut-off nozzle, the small amount of material can exit the barrel 16 by pausing the forward stroke of the screw 14, opening the nozzle, continuing the stroke for a small portion of time, and then closing the nozzle thereby allowing only the fraction of material to exit the barrel. Alternatively, allowing the majority of material in the barrel 16 to exit the nozzle once every few strokes also prevents accumulation back into the hopper."